Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/10/2017 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124103	-1	1.59	123931	1.58
Blue	F	SSC	125000	124160	-1	3.30	124437	3.13
Blue	E	FITC	23795	23065	-4	2.67	1028	10.74
Blue	D	PE	29673	29337	-2	2.30	1056	10.08
Blue	B	PerCP-Cy5-5	48943	47977	-2	3.70	1384	17.82
Blue	A	PE-Cy7	44112	43611	-2	5.48	672	36.99
Red	C	APC	54273	53592	-2	2.72	3085	9.48
Red	A	APC-Cy7	54945	54002	-2	2.74	1121	11.02
Violet	B	V450	15756	14970	-5	4.14	717	9.03
Violet	A	V500	62569	61813	-2	3.89	2749	6.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18736	3.55	611	-3	N/A	N/A	Pass
Blue	F	SSC	61337	1.61	546	0	N/A	N/A	Pass
Blue	E	FITC	114	39.65	548	-2	0.0187	117	Pass
Blue	D	PE	231	29.82	547	1	0.1537	253	Pass
Blue	B	PerCP-Cy5-5	214	46.96	637	-2	0.0090	71	Pass
Blue	A	PE-Cy7	73	126.69	694	-5	0.0111	20	Pass
Red	C	APC	364	27.26	597	-3	0.0201	41	Pass
Red	A	APC-Cy7	122	41.34	574	-10	0.0059	1927	Pass
Violet	B	V450	89	40.56	473	1	0.0458	1744	Pass
Violet	A	V500	201	23.47	503	4	0.0142	611	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.30	-30.71	0.84
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.96	13.27 - 19.91	N/A	N/A	30.94	31.33	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10020

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments